



# Y-12 BULLETIN

A NEWSPAPER BY AND FOR EMPLOYEES OF CARBIDE AND CARBON CHEMICALS CORPORATION IN Y-12

Volume 3, No. 40

OAK RIDGE, TENNESSEE

Wednesday, October 19, 1949

## Y-12 To Be Host At Information Meet Next Week

The largest gathering of scientists to meet in one group in Oak Ridge will open a three-day information meeting in Y-12 next Monday, October 24, when about 500 persons are expected to attend the sessions sponsored by the three Oak Ridge installations of Carbide and Carbon Chemicals Corporation, the Oak Ridge Institute of Nuclear Studies and the NEPA Project of Fairchild Engine and Airplane Corporation. The information meeting is one of a series of sessions held periodically at various Atomic Energy Commission installations for an exchange of technical information on atomic energy work.

### Smyth Principal Speaker

Dr. Henry D. Smyth, member of the Atomic Energy Commission will be the principal speaker at a banquet scheduled for next Tuesday night in the Y-12 cafeteria. He will speak on "The Role of the National Laboratories in Atomic Energy Development."

Extensive plans for holding the three-day meeting and entertaining the host of visitors have been made by Y-12ers. The meetings, which will not be open to the public, will be held in three locations in Y-12. Also, a number of Y-12 employees will present papers prepared by themselves and fellow employees at various symposium meetings.

The Tuesday night banquet is expected to attract about 400 guests and elaborate preparations have been made to serve the guests a turkey dinner with all the trimmings. The banquet is scheduled to begin at 6:30 o'clock.

G. H. Clewitt, head of the Y-12 Chemistry Department, will preside over one of the symposium meetings. Other Y-12ers participating in the program include Lyle Overholzer, W. R. Grimes, C. J. Barton, A. Clark, Jr., H. W. Savage, B. S. Weaver, Ben Harmatz, R. S. Livingston, J. R. McNally, Jr., William F. Peed, E. L. Burkhart and R. J. Jones.

### Subjects Set For Discussion

The meetings will be attended by representatives of various AEC installations throughout the country, commission contractors and military establishments. Subjects to be covered include a review of AEC research programs, progress on development of uranium chain reactors, reactor physics and technology, radiation chemistry, waste disposal and other topics pertaining to atomic energy development.

Outstanding speakers at the three-day sessions include Dr. S. C. Lind and H. A. Bernhardt, both of Carbide's K-25 plant here; Sidney Siegel, formerly of the Oak Ridge National Laboratory and now with Westinghouse Corporation; L. R. Hafstad, director of reactor development for the AEC; Kenneth S. Pitzer, director of the AEC research division; W. H. Zinn, of the Argonne National Laboratory; Lewi Tonks, of the Knolls Atomic Power Laboratory; A. O. Allen and F. T. Miles, both of Brookhaven National Laboratory; Miles Leverette of the Fairchild Company; H. W. Russell, of Battelle Memorial Institute; and Dr. F. H. Spedding, of Ames Laboratory of Iowa State College.

### Carbide Host At Smoker

The entertainment program will include a smoker Monday night at the Ridge Recreation Hall at which Carbide will be host. Headquarters for the visitors will be at Claremont Hall, opened to accommodate out-of-town guests.



Y-12 Photos By Vince Moore

THE Y-12 PLANT COMMITTEE THAT WILL DIRECT THE 1949 Community Chest campaign in the plant is shown above last week receiving instructions from Co-Chairman H. O. Ramey, standing at left. Dr. C. E. Larson, Y-12 Superintendent, is chairman of the group but was unable to be present when the picture was made. Seated around the table from left are members of the committee, Nelson Tibbatts, Maintenance Division; J. C. Little, Engineering; Pat Hamrick, Industrial Relations; W. S. Herron, Chemical; K. O. Johnsson, Chemical Research; R. R. Tippy, Manufacturing Offices; and James Keeton, Isotope Research and Production. In rear is Larry Parsons, Research and Development.

## Fire Prevention Week Success; Chief Hughey Praises Results

The Fire Prevention Week program in Y-12 came to a successful conclusion last Friday afternoon with practically every employee being made more conscious of fire hazards and the danger that might arise from them than they were before the campaign. This was the result of an intensive program of education that included fire prevention meetings, talks, demonstrations, inspections and drills.

Y-12 Fire Department Chief John W. Hughey was well pleased with the results obtained during the week.

### No Fires During Week

"Although final reports from the various divisions and departments have not yet been received by the Fire Department, it is believed that every employee of each department must have attended one of the meetings or demonstrations and have taken an active part in activities in his own work area," Chief Hughey stated. "This is indicated by the cleanliness and improved house-keeping conditions throughout the plant and also by the fact that no fires were reported during the week."

The chief declared that the interest taken by everyone in the program was extremely gratifying and pointed out that division superintendents, department heads and foremen took special precautions to see that their employees knew what to do in case of a fire. Many employees, he pointed out, demonstrated their proficiency by showing how they could extinguish fires at the Fire Department training.

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Y-12 Photos By Vince Moore

HERE ARE SOME OF THE Y-12ERS WHO WILL PARTICIPATE in the AEC Information Meeting next week. Standing at left is G. H. Clewitt, head of the Chemistry Department who will preside at one of the symposiums. In back row, from left, are Lyle Overholzer, W. F. Peed, A. Clark, Jr., E. L. Burkhart and Benjamin Harmatz. In front are W. M. Leaders, J. R. McNally, Jr., R. S. Livingston, B. J. Jones and C. J. Barton.

## Plant Committee Laying Plans For 1949 Community Chest Drive In Y-12 Beginning October 26

A Y-12 plant committee headed by Dr. C. E. Larson, Y-12 Superintendent, as chairman; and H. O. Ramey as co-chairman; last week began to lay plans for the 1949 Community Chest campaign in the plant. The drive is scheduled to begin next Wednesday, October 26, and last for two weeks but if past performances can be taken as an indication, the campaign should go over the top here in a considerably shorter period of time.

The Oak Ridge Community Chest this year is asking residents of the city to contribute \$46,085.22 for its red feather services during the coming 12 months. A resume of these services and the money sought for each is published in an adjoining column of The Y-12 Bulletin.

### Y-12 Record Is Excellent

Employees of Y-12 have established an enviable record in the past in responding to all civic appeals and last year oversubscribed the Chest quota for the plant by more than 20 per cent. The Y-12 record in other similar campaigns has been equally impressive.

In addition to Dr. Larson and Ramey, the plant committee members and the groups represented include L. E. Parsons, Research and Development; James Keeton, Isotope Research and Production; K. O. Johnsson, Chemical Research; R. R. Tippy, Manufacturing Offices; Nelson Tibbatts, Maintenance; W. S. Herron, Chemical; J. C. Little, Engineering; and Pat Hamrick, Industrial Relations.

Early next week, the committee-men will distribute pledge cards to line supervision throughout the plant, which will in turn conduct the campaign in their own departments and groups in preparation for opening of the campaign on next Wednesday.

Gifts to the Community Chest by Y-12 employees this year may be made either by cash or through payroll deductions. The deduction

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## Chest Agencies, Goals Listed For Campaign

After careful consideration of the needs of its various red feather agencies, the Oak Ridge Community Chest adopted its budget of \$46,085.22 for the coming year. Here is a brief resume of the various agencies and the amounts to be asked for their support.

### School Lunch Program

The sum of \$6,000 is being asked for the school lunch program. During the past year more than 25,000 lunches were served to needy children in Oak Ridge and in some cases children could not have remained in school if they had not received the lunches. The Parents' Advisory Council, consisting of one parent from each school, will supervise the program.

### Boy Scouts of America

The Chest is asking \$9,958.80 for this program for the development of character and citizenship training as well as out-of-doors physical development for the 17 Boy Scout troops in the city that include 1,146 leaders and scouts. The program aids youngsters from eight years old through senior scouting.

### Girl Scouts of America

For the Girl Scouts the Chest has allocated \$9,723.42 to carry out their objective of developing each member into a well-rounded individual with emphasis placed on

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## Y-12 Employees Pass Two-Thirds Mark On Way To Safety Milestone

Have you—Mr., Mrs. or Miss Y-12 employee—taken a look at the safety scoreboards at the three Y-12 portals recently? If not—take a peek and see how the accident free days in Y-12 are rapidly mounting and then think just how fortunate everyone is in the plant that a lost time accident has not occurred in nearly 120 days. The actual record as of last Monday was 117 days without such an accident.

### Last Accident May 31

In fact, the last lost time accident in Y-12 occurred on May 31, and the accident free period since then has been a tribute to the thoroughness shown by everyone in the plant in observing the accident prevention program designed to keep all employees working in safe conditions at all times.

Folks in Y-12 now are two-thirds of the way toward the 1,500,000 man-hours worked without a disabling accident—a milestone reached and passed far behind one time before. The last such period of accident free days was established between August 24, 1948, and April 25 of this year and then the operations continued without mishap up to 246 days—or approximately 2,850,000 hours. This is almost twice the period established by Carbide and Carbon Chemicals Corporation

for special company recognition.

With nearly four months of accident free time behind, only about two more months of safe operation will bring another 1,500,000 man-hours of work on the books without a single employee suffering from an injury that costs him pain and time and the plant his services.

Of course, records are fine, but the real goal of the Y-12 safety campaign is not particularly 1,500,000 or even 9,000,000 man-hours without an accident—it is the well-being of each individual employee. Folks here in Y-12 have shown that they can work safely under prescribed regulations and using plain common sense—and nobody has accused them of being dumb.

## SAFETY SCOREBOARD

Your Plant Has  
Operated  
117 DAYS  
Without A Lost Time  
Accident  
THROUGH OCT. 16





## Y-12 Bulletin

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## Y-12 Physicists Plan Seminar Discussions

Dr. E. D. Shipley, director of Research and Development in Y-12, has announced the appointment of a physics seminar committee in the plant to arrange for a series of discussions by Y-12 physicists on several phases of the unclassified physics research activities now underway here.

### Interesting Discussions Planned

The committee members are J. R. McNally, Jr., and R. L. Murray. They now are arranging an interesting group of seminars in the fields of nuclear induction, vacuum techniques, cyclotronics, hyperfine spectroscopy, applications of stable isotopes, radioactive isotope mass determinations, are discharges in magnetic fields and low voltage neutron production.

The committee members have asked for suggestions on additional topics that would add interest to the seminars and also for speakers to outline the subjects.

The discussions by the Y-12 physicists will be presented in conjunction with the Oak Ridge Physics Seminar meetings held every Friday in the Ridge Recreation Hall.

### First Lecture November 11

The first of the Y-12-led discussions is scheduled to be made at the meeting on Friday, November 11, and a Y-12 speaker is expected to be on the program once a month thereafter. Details on each speaker and their topics will be given in The Y-12 Bulletin prior to each meeting of the Oak Ridge Physics Seminar.



Y-12 employees in the Oak Ridge Hospital last week included Helen Hicks, Assay Laboratory; Alvin K. Bissell, Uranium Control and Computing; Jesse M. Herndon, Superintendents; and Elizabeth P. Greene, Property.



Two Y-12 families are parents of children born recently in the Oak Ridge Hospital. They were Mr. and Mrs. Willie E. Honeycutt, girl, October 7; and Mr. and Mrs. Boyd Weaver, girl, October 11.

THIS EXCEPTIONAL SEQUENCE OF PICTURES WON first prize for Nat Stetson, Y-12 employee, in the October print contest of the Carbide Camera Club. From left, Picture No. 1 shows robin eggs in nest built in flower box on Stetson's front porch. In Picture No. 2, made 12 days later, the baby robins extend hungry

## Robin Pictures By Nat Stetson Require Patience

Patience personified—and rewarded might well be the title of a sequence of pictures made by Nat Stetson, Y-12 employee, amateur photographer and vice president of the Carbide Camera Club.

The group of pictures showing the home life of a robin family following laying of eggs to the last days of fledglings in the nest won first prize for Stetson in the "print for all" contest staged by the club at its monthly meeting last Tuesday, October 11.

### Ross Second, Hluchan Third

Second prize in the contest went to Don Ross, also a Y-12 employee, with two striking pictures of sets and action in the play, "The Glass Menagerie," presented by the Oak Ridge Community Playhouse last February. Third prize went to S. A. Hluchan, of the Oak Ridge National Laboratory, whose entry was a photograph excellent in detail and subject of the old mill at Norris.

Stetson began his sequence of robin pictures one day last summer when he found that Mrs. Robin had built a nest right in the flower boxes on his front porch at 105 West Magnolia Lane. A month of time and three or four rolls of film were required before all of the pictures were made.

### Didn't Use Telescopic Lens

By standing almost immobile in his front door and without the use of a telescopic lens Stetson managed to get his pictures. As the little robins grew and grew, he began to set up a remote control for the shutter of his camera—but about that time Ma Robin decided the three youngsters were big enough to learn about the facts of life in the outside world and pushed them off the nest.

In addition to the print contest, the club witnessed a demonstration of negative retouching and print spotting by Mrs. Dean Reid, wife of a Y-12 employee.

### Color Slide Contest Is Next

The next meeting of the club will be held at 7:30 o'clock Tuesday night, November 8, in the club rooms in the Y-12 East Portal Building. A color slide contest on the subjects of fall landscapes will feature the meeting.

## Bats In Its Belfry Reported By Police

Bats in its belfry were recently reported by Newark, N. J., police headquarters, according to a recent news story. A bat zipped through the front door, past a startled desk lieutenant and flapped up to a record room on the third floor. Officers wielded waste baskets and hat stands in defense against the invader, but to no avail. The bat then flew into detective headquarters where 15 plain clothes men waved their arms and the little beast took off to the first floor again. Finally, someone thought to open a window—and out flew the bat.



If all the Y-12 folks who were reported last week as planning to attend the Tennessee-Alabama football fracas in Birmingham last Saturday made the trip the plant was well represented. A party from Product Chemical was to have included the C. M. Wests, John Dinsmores, Carl Fraziers, G. M. Kirtlands and Frank Thurmond and Mrs. Thurmond. . . From the Assay Laboratory Mary K. Householder, Virginia Bell and Marcelle Ferguson were going to the game and Marcelle was to be accompanied by Mary Ballard, a former Y-12er. . . Esther Moody, of the Recreation Office and Y-12 Bulletin, was on vacation last week and planned to end it with the trip to Birmingham. Katherine Miller, Maintenance Automotive Equipment, and a party of friends also went. Doubtless there were many others at Legion Field at kickoff time.

Nell and Jim Charles, of the Analytical Laboratory, are vacationing with her relatives down in Louisiana. . . Martha and Ed McCombs will have as their guests this week Ed's parents, Mr. and Mrs. W.E. McCombs, from Chicago, Ill.

R. G. Boxley, of Plant Engineering, motored all the way up to Lexington, Ky., to see the Kentucky Wildcats tree and claw the Georgia Bulldogs on the gridiron October 8.

The Assay Laboratory also reported Walter Pugh is spending his vacation at Maryville. . . A number of department members were ill last week, including Magdalene Jones, Helen Hicks, Katie Sells, Pennie Rogers, Shirley McKay and W. D. Schultz. . . Bee Grayson is spending a quiet vacation in Oak Ridge. . . Ruth Andrews traveled to Bryson City, N. C., and Olean Rutland to Cherokee, Ala., on vacation. . . Frances Skeen spent the past weekend at Hiwassee Dam, near Murphy, N. C. . . Frances Ware spent the week end with Jo Potts, former Y-12er, at Chattanooga.

Lena Newsome, Product Chemical Department, and Mary Sue Myers, of K-25, are vacationing in Washington, D.C. . . Jeanette Arnold is vacationing in Albertville, Ala., and Kingsport and while in the latter city she planned to be host to Margaret Carter and Denie Williams over this week end. On the return trip they planned to visit in Johnson City. . . Grace Boyd spent last week end at Hot Springs, N. C. . . Corinne Hill visited in Chattanooga at the same time. . . Leonard Higdon is back on the job after a vacation in Oak Ridge. . . Hugh Nichols and Mrs. Nichols, an Oak Ridge National Laboratory employee, are vacationing with his parents at Kodak.

These fishermen! They just will spend their vacations at the business end of a pole. Witness thereof K. B. Brown, Warren Grimes and C. F. Coleman, all of Chemical Research. . . Coleman took time out from angling to spend a few days in St. Louis. . . Claude Haws and family are finding out how plea-

sant it is in Daytona Beach, Fla. Mary Lou Pate, Superintendents Department, vacated in Florida. Hazel Lane is back on the job in Medical after vacating in Chicago. . . Blanche Gibbs is vacationing over in Fletcher, N. C., and Jodie Brown at Viola, Tenn. Penny Keene and her husband, Oliver, of the Property Department, and Winnie Miller, Employee Relations, who recently returned from a vacation trip to Mexico, planned to spend the past week end seeing the fall colors in Smoky Mountains. Jodie Brown was going along to learn Spanish from Penny Keene.

E. W. Koons, Field Maintenance, went to Chattanooga over the week end to see his son play football with the University of Chattanooga. G. E. Burney and A. D. Cotton are back on the job after vacations. . . The department wishes a speedy recovery to Mack Crews, recently injured in an accident.

Maintenance Utilities welcomed R. D. Freels back from vacation this week. Bruce Herndon, Standby Plant Maintenance, is back at work after a vacation. J. W. Jackson, of the Fire Department, is on vacation this week. . . Capt. W. O. Elam and family visited his sister in Jamestown, Ky., over the week end.

George Strasser is back at work in Chemical after being ill. . . H. L. Hubbs is vacationing in Oak Ridge. S. A. Copeland, Receiving and Shipping, is dividing his vacation between Oak Ridge and West Tennessee.

Manufacturing Offices extends a get-well-quick wish to Maola Conner, who has been ill. . . Irene Turner and her husband are vacationing with her parents in Virginia.

Don Ross, Health Physics and Hygiene, is leaving his test tubes and beakers for a two-week visit with his folks down in Texas.

Neva Butler, Wage Standards, and her daughter, Betty Jo Butler, Employee Relations, are planning to do some shopping in Nashville while on vacation.

Bill Leyshon, Isotope Research and Production, is on vacation this week.

Classes In Art, German Offered

Y-12 employees interested in studying college German or drawing and painting may obtain this instruction in classes being formed this week by the Oak Ridge Adult Education Program. The University of Tennessee extension classes are German 111 and Art 121 and enrollments will be accepted during the rest of the week.

Further information on the classes may be obtained from the Y-12 Training Department, telephone 7716, or the Adult Education Program office, Oak Ridge High School, telephone 5-2889.

## Chorus Planning Good Program For Concert

An interesting program has been planned by the Oak Ridge Community Chorus for its first concert of the season set for Saturday night, October 29, at the Oak Ridge High School. Curtain time is 8:15 o'clock.

### Y-12ers Are Members

A number of Y-12 employees are members of the chorus and will appear in the concert. Among them are George Nettle, Phyllis Finneran, Mrs. W. F. Cameron and others. Another member of the chorus is Georgia Moore, a former employee here.

John Krueger is director of the chorus for the coming season, succeeding Riley Barrett. Krueger is a music instructor at the University of Tennessee in theory and composition and is a composer in his own right. Edwin Ferguson is accompanist for the chorus.

### Four Groups On Program

The program for the October 29 concert will include four groups of songs, ranging from 1525 through the present time. The first group will be old timers seldom heard now, the second includes classical and romantic numbers, the third American folk songs and the last selections by contemporary composers. Composers of the last group of songs include Director Krueger, Randall Thomson and Paul Hindersmith, the latter a German musician.

## Paper Praises Plastic Produced At K-25 Plant

The New York Times in its "Notes on Science" column recently highly commended fluorothene plastic, manufactured by the K-25 plant of Carbide and Carbon Chemicals Corporation here.

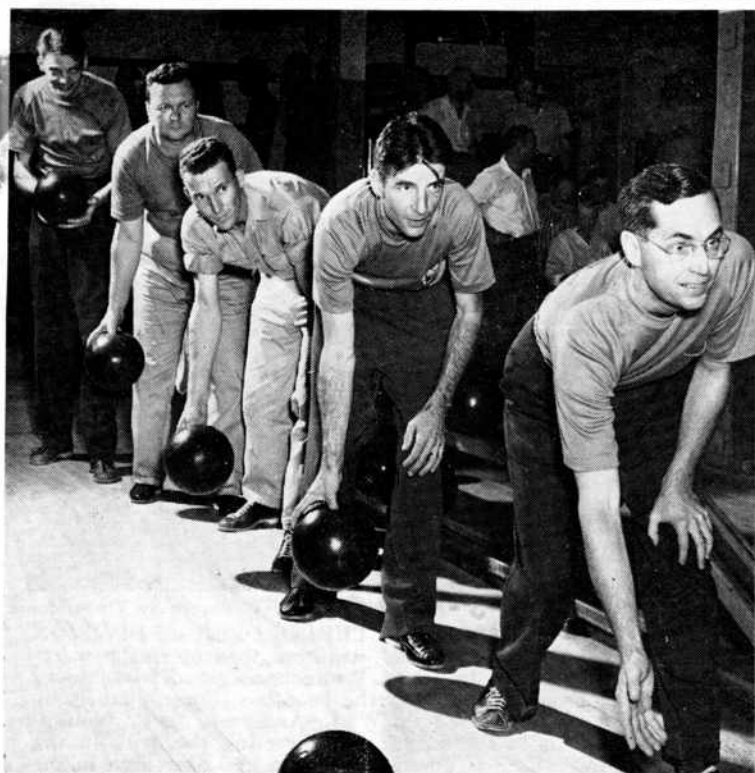
Concerning the product, The Times said:

"A plastic which cannot be dissolved by any known solvent at ordinary temperatures, and which is unaffected by such potent chemicals as sulphuric, hydrochloric or nitric acids or caustic soda is manufactured for the Atomic Energy Commission by the Carbide and Carbon Chemicals Corporation at Oak Ridge.

"The material, trade-named fluorothene, is made of a compound called chlorotrifluoroethylene and is one of the fluorine plastics made possible by research at the Oak Ridge plant. Tubing, fittings, flasks, test tubes, beakers and many other special pieces of equipment have been made of the new plastic, but until recently the scope of the experiments that could be conducted with it had been limited by lack of a filter of comparable chemical resistance. This problem has been solved."

See that rugs do not slide or turn up at the edges causing children or elderly persons to fall.





5-9798

Y-12 Photos By Vince Moore

IN THE PICTURE ABOVE THE CAMERAMAN CAUGHT members of the Materializers bowling team of the D League in various stages of delivering the ball to the alley. From left are John Ramsey, Fred Boody, Tom Crabtree, Paul Hagelston and Frank Knox. Team members not present when picture was made are Carl Frazier and Jim Keeton.

## Women Bowlers Again Advance In City League

The Y-12 women's varsity bowlers continued their slow but steady upward climb in the Oak Ridge City League last Thursday night by taking two out of three games from the Crowe and O'Connor lassies and barely outscoring their opponents by 2,171 to 2,117.

Consistently good bowling by the triumphant girls brought home the victory. Olyne Poindexter posted the best score for her side with 178, 154, 152—484; followed by Margaret O'Neal with 168, 160, 152—480; Katie Williams, 136, 139, 146—421; Leonora Brushwood, a newcomer to the team, 149, 129, 127—405; and Katherine Jenkins, 110, 158, 113—381.

The Crowe and O'Connor outfit was well ahead of Y-12 before the clash last Thursday night and the Y-12ers will go after even bigger game this week when they tackle the second-place Oak Ridge National Laboratory women.

League standing follows:

Team	W	L	Team	W	L
Mims	16	2	C. & O'C.	9	9
ORNL	13	5	Morat	9	9
Norris C'mery	12	6	Y-12	6	12
Tulip Town	11	7	Fairchild	5	13
K-25	10	8	Knox B'print	5	13
R-A	9	9	Atomizers	3	15

## ACS Members In Y-12 Plan To Hear Hume

A number of Y-12 chemists are expected to be on hand at the first meeting of the season of the East Tennessee Section of the American Chemical Society at 8 o'clock tomorrow night at Dabney Hall, University of Tennessee, Knoxville. The meeting will follow a dinner at 6:15 o'clock at a Knoxville cafeteria.

David N. Hume, assistant professor of chemistry at the Massachusetts Institute of Technology, will be the principal speaker at the meeting. His topic will be "Analytical Applications of Radiochemistry".

Several Y-12ers are officers and committee members of the East Tennessee Section of the ACS. Jesse M. Herndon is a member of the executive committee and C. D. Susano, a former chairman, is a councilor. Dr. C. P. Keim is a councilor alternate. H. P. House is chairman of the arrangements committee, Leo Brady is a member of the publicity committee and Herndon is a member of the social committee.

## Termites Tie Strikers For Top In D League

The Termites bowled their way into a tie with the Strikers for first place in the D League last Thursday night, gnawing through the Overheads for four straight points for the victory, while the Strikers could take but three out of four from the Old Men.

Termites Have High Average

In their climb to a tie for top, the Termites averaged 175.6 scratch score for the night, exceptionally good for a plant league team. They set the high handicap single game mark of 1,060 and a season's high handicap series of 3,060. Individually, Sky Barker rolled a 557 series, Ernie Cobble 556, Frank Gragg 521, Wes Savage 512 and Phil Rueff 488, all from scratch to make the team scratch total 2,634.

Barker had a 210 and Cobble a 201 in single scratch games during the night.

Other Results Are Listed

In the rest of the league the Isotopes, led by Tom Stephens with a handicap series of 625, took four from the Splinters. Paul Hagelston's 621 handicap series paced the Materializers to four points from the Angstroms. Bill Burns had a 202 scratch single game and 493 series to lead the Strikers in their victories over the Old Men although Lyle Overholzer, of the Ancient Ones, posted a single scratch game of 200 and scratch series of 503.

League standing follows:

Team	W	L	Team	W	L
Termites	9	3	Old Men	5	7
Strikers	9	3	Overheads	4	8
Isotopes	8	4	Splinters	4	8
Materializers	7	5	Angstroms	2	10

Joe: "Well, I must go home and explain things to my wife."  
Bud: "What things?"  
Joe: "How do I know?"



SECURITY REQUIRES Constant VIGILANCE

# SPORTS NEWS IN Y-12

## Men And Women Varsity Cagers To Represent Y-12 In Ridge Loops; Six-Club Plant League Planned

Y-12 again will be represented on the basketball floors of Oak Ridge during the coming season with teams for both men and women planned to compete in city-wide leagues in addition to the usual plant league competition. In the past high honors have been won by Y-12 cagers with championships of both the city and A. A. U. Southeastern Appalachian district being brought home to rest in the Recreation

Office trophy case on more than one occasion.

Although the opening of the season is many weeks away, Recreation Supervisor Arnold Tiller already has received numerous telephone and personal calls from Y-12ers interested in playing the popular indoor sport. If this interest is continued and is an indication of the number of team candidates turning out when the first practice call is issued a

successful campaign seemed assured.

An excellent nucleus exists for good teams of both men and women to carry the red and white of Y-12 into action during the coming season. Every employee with any experience at the game or just with the desire to play is urged to report when workouts begin.

Women Players Are Needed

Players for a women's squad are particularly needed. A number of the stars of Y-12 sextets of past years still are on hand and available, but more players will be needed to replace those who have left. So all Y-12 women who want to try out for the team to play in the 1948-1949 season are urged to communicate with the Y-12 Recreation Office, North Portal, telephone 7-8252, giving name and experience.

W. E. (Bill) Davis, a former Y-12 employee who during his stay here coached several women's teams of the plant to championship honors, has consented to coach the Y-12ers again this season. Under Coach Davis the Y-12 teams always have been well trained and put up a splendid exhibition of playing and sportsmanship in every appearance on the court.

Six Teams In Plant League.

The plant league during the coming winter season probably will be composed of six teams. There is a lot of talent scattered throughout the plant and in past seasons the competition in the plant circuit has been keen with some excellent basketball displayed on the hardwood.

An organization meeting of plant and company recreation supervisors and city recreation officials is expected to be held within the next few days. At this time the number of leagues planned for the season and other important matters will be discussed. Assignment of gymnasiums for both the city leagues and plant leagues also is expected to be brought up at this meeting so that the cagers of the city can begin making plans for future action.

## Varsity Bowlers Roll Consistently To Defeat Foes

The Y-12 men's varsity bowling team put on another good exhibition of consistent pin smashing on the night of October 10 at the Oak Terrace Alleys when they took three points out of four from the Grove Delicatessen keggers. As most of the teams ahead of Y-12 also won by similar margins the plant bowlers found themselves in fifth place, just four points out of the league lead in the close race.

The Y-12ers took the first and second games by a wide margin, 852 to 754 and 890 to 739. However, the sausage carvers took a bite out of the victor's hides in the last contest, slicing out a thin 908 to 879 triumph. The total scores were 2,631 to 2,401 for Y-12.

All of the Y-12 individual scores were well bunched. Conrad Roberts had the top single game of 190 and Ernie Cobble put together games of 185, 179, and 180 for a top series of 544. Other scores were Frank Gragg 181, 181, 178—540; Roberts 169, 172, 190—531; Nelson Tibbatts 170, 184, 150—504; and Elmore Koons 147, 174, 181—502.

Then there is the story of the mountaineer who put a silencer on his shotgun because his daughter wanted a quiet wedding.

## Hurricanes, Guards Boost C League Lead

The Hurricanes and Guards continue their nip and tuck race in the C League last Wednesday night as these two teams each copped four points and drew away from the rest of the teams in the plant league of keggers.

The Hurricanes took their four points from the Hooks while the Guards blasted the Orphans by the same score. The Hornets stung the Thin Pins for three while the Moles and Short Circuits broke even.

The Hurricanes took all team honors for the night with a 746 scratch single game, 2,191 scratch series, 953 handicap single and 2,798 handicap series. Aiding this team performance was Ford, who posted a 490 scratch series and 616 handicap series score. Moody, of the Hooks, had the best single scratch game with 193 while Combs, of the Thin Pins, rolled 235 for top handicap single.

League standing follows:

Team	W	L	Team	W	L
Hurricanes	11	1	Moles	5	7
Guards	10	2	Orphans	4	8
Hornets	6	6	Short Circuits	4	8
Hooks	5	7	Thin Pins	3	9

## Rippers And Bumpers Share B League Lead

There was a general reshuffling of the lead in the B League last week as the previously loop-leading Wolves were bumped for three points by the Bumpers and the Rippers slashed the Bums for four points. As a result, the Wolves were toppled into second place while the Rippers and Bumpers took over equal shares in the lead.

All Winners Take Three

Other league results showed the Mules taking three from the Head Pins, Maintenance mauling the Comets for three, One-91 doing likewise to the All Stars and the Tigers taming the Cubs in a similar manner.

The rise of the new leaders was reflected in the team scores for the night. The Wolves had the best scratch single game of the session with 887 and the Rippers the top scratch series of 2,491. The Bumpers posted a handicap series of 2,897 and the Tigers a handicap single game of 1,015 for tops.

Gillihan Has Best Game

Individually, Gillihan, of the Tigers, bested the singles competitors with a 201 scratch and 240 handicap game. Sherrod, of the Wolves, helped his team along with a 529 scratch series and Redmond, of One-91, turned in a 637 handicap series.

League standing follows:

Team	W	L	Team	W	L
Rippers	18	6	All Stars	11	13
Bumpers	18	6	Cubs	10	14
Wolves	17	7	One-91	9	15
Mules	16	8	Tigers	8	16
Comets	14	10	Bums	5	19
Maintenance	12	12	Head Pins	5	19

RADIATION WORK SAFER

The Boston Herald reports that Samuel Levin, of the Massachusetts Institute of Technology, told a summer meeting of the American Institute of Electrical Engineers at Boston that workers at atomic energy plants and other "radiation workers now enjoy as large a safety factor as workers in any other occupation.

Tact is the unsaid part of what you think.

## Kemps Achieve Top Position In W League

The Kemps bowling outfit of the Y-12 Women's League finally forged to the top of the loop last Wednesday night by sweeping three games from the Woes while the Controllers, now in second place, could take but two from the Rattlers. Other results saw the Spinners jump out of last place with a three-game triumph over the Hi Balls and the Dodgers take two from the Pick Ups.

The high scratch single game of the season was rolled by Hardin, of the Rattlers, with a neat 179. Her previous high single game of the season was a 102 and her average 82. Her record game, with handicap, gave her a high handicap single game of 262 and high handicap series of 621. Betty Sherman, of the Controllers, got the high scratch series score of the night with 465.

The Controllers monopolized team scores for the session, posting a 738 scratch single game, 1,035 handicap single game and 2,775 handicap series. Their 1,005 handicap single game was a season's record. The Kemps also posted a season's record with a 1,992 scratch series.

League standing follows:

Team	W	L	Team	W	L
Kemps	10	2	Woes	4	8
Controllers	9	3	Spinners	4	8
Dodgers	8	4	Rattlers	4	8
Hi Balls	7	5	Pick Ups	2	10

## Volleyball Show By Knox Champs Set For Ridge

To stimulate interest in volleyball in Oak Ridge an exhibition of the game as it should be played will be staged by the former national championship team from the Knoxville Y.M.C.A. at 8 o'clock Wednesday night, October 26, at the high school gymnasium.

The game of volleyball has many possibilities both as a player and spectator sport and can become thrilling at any time. The Knoxville team that won the national championship has some of the best players in the business and will show the finer points on the game to Oak Ridge fans.

A city league is being planned for Oak Ridge by the city recreation department and if the loop is perfected a team will be entered to represent Y-12. More information on this project will be announced later by the Recreation Office.



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## AEC Clearance Cards Distributed In Y-12

Cards signifying that clearance has been granted by the Atomic Energy Commission for work in the plant have been distributed to all Y-12 employees for whom such clearance has been granted to date. The distribution started last week through division superintendents and supervisors.

### Investigation Required By Law

Under provisions of the Atomic Energy Act of 1946, all persons employed at any project under jurisdiction of the Atomic Energy Commission must be granted clearance by the AEC. The law also provides that before such clearance may be granted an investigation into the character, loyalty and associations of such employees be made by the Federal Bureau of Investigation.

Every employee of Y-12 may rest assured that such investigations extends to everyone in the plant, as well as other installations operated by Carbide and Carbon Chemicals Corporation in Oak Ridge and employees of all contractors for the AEC throughout the country, with the same standards applied to all.

### All Investigations Not Completed

It is pointed out that all personnel investigations, which require considerable time to make, have not yet been completed and some employees may not receive their clearance cards at this time.

The clearance cards are not good as passes into other installations of the AEC but are valuable as identification and a check in case a Y-12er has reason to visit another AEC project on official business. Each card bears a serial number, placed on them by the AEC in Washington, as a means of further identification.

## Use Of Oil In Drilling Through Steel Is Reported

A practical method of using oil to pierce holes in steel is under experimentation by engineers in the Schenectady Works Laboratory of the General Electric Company, it is announced by the National Patent Council.

A column of oil is substituted for the ordinary metal punch. The column is struck hard at the top. The oil, confined in all directions and not compressible, is forced to punch through the steel sheet at the bottom of the column and into the hollow area of the die placed under the sheet.

The new method, it is claimed, would greatly reduce costs in drilling in various ways.

## Seven Departments Have No Absences

Seven departments in the Minor League, five repeaters from the preceding week, reported all of their employees present for the week ending October 9. This was one more than reported "all present" for the week ending October 2.

### Five Departments Are Repeaters

The five repeaters with no absenteeism reported for the week ending October 9 were Dept. 2005, Maintenance Utilities; Dept. 2090, Medical; Dept. 2143, Receiving and Shipping; Dept. 2107, Cafeteria and Canteens; and Dept. 2093, Fire Department. The other two positions in the all present class were taken by Dept. 2008, Transportation; and Dept. 2009, Maintenance Automotive Equipment. Transportation rose from sixth place held the previous week and Maintenance Automotive Equipment from 12th position.

Second place in the Minor League went to Dept. 2060, Plant Engineering, with an absentee mark of .6 per cent. This department was in seventh place the previous week. In third place was Dept. 2001, Janitors, with 1.1 per cent of its personnel absent. The Janitors held the same position the preceding week.

### Guards Back On Top

In the Major League Dept. 2091, Guards, jumped back into first place by reporting only .6 per cent of its members absent. This department was second the preceding week after holding first place for several weeks. Dept. 2616, Product Chemical, in fourth place the preceding week, jumped into second place with an absentee record of .8 per cent. Third place was held by Dept. 2077, Electrical Maintenance, with 1.3 per cent absenteeism. Dept. 2077 was in first place the preceding week.

The plant-wide absentee record for the week ending October 9 was 2.7 per cent, an increase of .5 per cent from the preceding week. The record, by departments, follows:

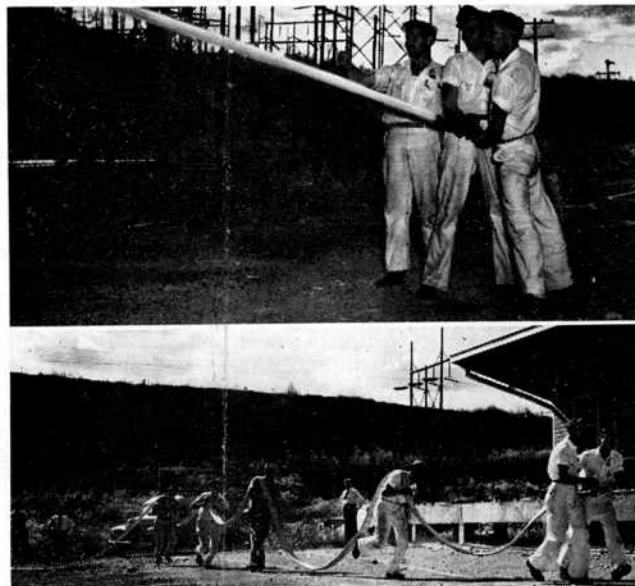
MAJOR LEAGUE More than 50 Employees Scheduled				
Dept.	Absent Percentage	Standing	10-9-49	10-2-49
2091	0.6	1	2	2
2616	0.8	2	4	4
2077	1.3	3	1	1
2014	1.8	4	7	7
2003	2.2	5	9	9
2360	2.4	6	6	6
2300	2.6	7	5	5
2615	3.3	8	11	11
2320	4.4	9	8	8
2142	4.7	10	3	3
2282	6.1	11	12	12
2283	8.7	12	10	10

MINOR LEAGUE 15-49 Employees Scheduled				
Dept.	Absent Percentage	Standing	10-9-49	10-2-49
2005	0.0	1	1	1
2090	0.0	1	1	1
2143	0.0	1	1	1
2107	0.0	1	1	1
2093	0.0	1	1	1
2008	0.0	1	6	6
2009	0.0	1	12	12
2060	0.6	2	7	7
2001	1.1	3	3	3
2133	1.7	4	8	8
2002	2.2	5	1	1
2200	2.4	6	2	2
2140	3.3	7	14	14
2739	3.6	8	4	4
2743	3.7	9	9	9
2619	4.5	10	10	10
2109	5.0	11	11	11
2696	7.1	12	13	13
2270	15.8	13	5	5

Group absentee percentage was 2.4 per cent, .2 per cent higher than the preceding week.

The plant average for the week ending October 9 was 2.7 per cent, .5 per cent higher than the preceding week.

Your temper is one of the few things that improves the longer you keep it.



5-9801

Y-12ERS IN THE STORES DEPARTMENT OF THE MANUFACTURING OFFICES DIVISION were given hose drills during Fire Prevention Week as a part of their training to protect the warehouses in the plant from damage by fire. At top left A. K. Self, D. C. Wolfenbarger and Bart Slover direct a hose at a hypothetical target after it had been hurried from the hose box, lower picture, by B. B. Thornton, W. C. Davis, Paul Brownlow, A. K. Self, G. H. Booth, W. L. Anderson, D. C. Wolfenbarger and Bart Slover. Fire Dept. Capt. W. O. Elam is in the background directing the drill. In the picture at the right G. H. Booth, W. L. Anderson and A. K. Self direct the stream of water high in the air at a simulated fire in an upper story of a building.

5-9799

Y-12 Photos By Vince Moore

## Plant Committee Lays Plans For Chest Drive

(Continued From Page 1)

plan this year will permit the deductions to be made for the Chest gifts from pay checks to be delivered in November and December. Most Funds Stay Here

As in past Chest campaigns, Community Chest officials stress the fact that the great majority of the funds raised during the campaign are to be expended right here in Oak Ridge. The chest agencies provide youth and child care service, education, training of the handicapped and family services—from all of which, studies have shown, four in 10 families directly benefit.

Chest authorities point out that last year total campaign costs were only 1.8 per cent of the entire amount raised and that if each of the agencies conducted its own campaign, the costs would be considerably higher. It is stressed that no paid solicitors are employed, that the needs and requests of all agencies have been carefully checked by the budget committee and that a close rein is held on all expenditures by the beneficiary agencies during the year.

Be sure to read The Y-12 Bulletin next week for further news on the Chest campaign in the plant.

## Brahms, Beethoven, Franck On Listening Group Program

Compositions by Brahms, Beethoven and Cesar Franck will be featured on the program of the Oak Ridge Music Listening Group at 8 o'clock Thursday night, October 20. The concert will be presented in the East Lounge of the Ridge Recreation Hall.

The program will be opened with the Double Concerto in A Minor by Johannes Brahms for violin, cello and orchestra. The artists will include Violinist Jascha Heifetz and the Philadelphia Orchestra under direction of Eugene Ormandy. The program will be continued with Symphonic Variations for piano and orchestra by Franck as played by Walter Gieseking with the London Symphony Orchestra conducted by Sir Henry Wood. The concluding number will be Beethoven's gay Symphony No. 8 in F Major by the Boston Symphony Orchestra under Serge Koussevitsky.

The public is cordially invited to attend the concerts, for which no admission charge is made. Personal records may be played on the high-fidelity system of the Music Listening Group for one hour after the program is concluded.

Do not burn rubbish near the house and never go away and leave rubbish or leaves while they are burning.

## Chest Agencies, Goals Listed For Campaign

(Continued From Page 1)

initiative and self-reliance and supplementing home, church and school training. Oak Ridge now has 454 girls in 29 troops and also three troops for Negro girls. With the arrival of an executive director it is expected that the membership of the troops will grow.

### Hospitalization Program

The Oak Ridge Family Service Bureau will administer the \$4,500 asked for this project. Experience has shown that there are two diagnoses requiring off-area treatment because the care is not available at the Oak Ridge Hospital. They include lung surgery and mentally ill. Cost of most lung surgery in-digent cases are met by the Oak Ridge Tuberculosis Association but there are some conditions other than tuberculosis that require lung surgery and which are referred to the Fort Sanders Hospital in Knoxville. Mentally ill patients cannot be kept under restraint here and must be committed to the Eastern State Hospital at Knoxville.

### Crippled Children's Service

The sum of \$7,000 is requested for this work. The Oak Ridge Crippled Children's Committee has served as a branch of the Anderson County committee for years and the Oak Ridge group now is being combined with the Council of Parents of Cerebral Palsied Children and the enlarged group will endeavor to serve all handicapped children.

### Dental Care Program

The dental care program will require \$3,380 for the coming year and includes corrective treatment for children and emergency treatment for adults unable to pay all or part of the cost.

### National Agencies

Eight national agencies are included in the Oak Ridge Chest budget, all of which have the approval of the national budget and quota committees of the Chest. The sum of \$1,145 is being asked for these agencies, all of which with the exception of the United Service Organizations are now doing or will do on request, field service for Oak Ridge. In addition to the USO, the national agencies on the list are Travelers Aid, American Hearing Society, United Service to China, Inc., American Social Hygiene Association, National Social Welfare Assembly and the National Urban League.

### Other Amounts Asked

The Chest also is asking \$2,378 for administration and campaign costs, a small amount in view of the needs. Also \$5,000 is sought for a reserve operating fund and to protect the Chest against uncollected pledges and as a cushion against any emergencies.

## Fire Prevention Week Is Declared Success

(Continued From Page 1)

ing school, the machine shop and other locations in the plant.

### Coordinators Thanked By Hughey

Chief Hughey also thanked the fire, safety and security coordinators as being the "spark plugs" of the campaign. These coordinators were W. S. Herron, Chemical; Ward Foster, Research and Development; W. C. Davis, Manufacturing Offices; J. Clyde Bowles, Engineering; Nelson Tibbatts, Maintenance; and Lee Bagwell, Industrial Relations. The chief also gave great credit to T. M. James, Training Department; E. G. Richardson, Leo Hemphill, Gentry Underwood, D. G. Hill and H. N. Benninghoff, plant shift supervisors; and the Y-12 photographic section for their part in the program.

## Hydraulic Differential For Automobiles Seen

A hydraulic differential for automobiles soon may be added to the hydraulic transmission now in use on many automobiles, the National Patent Council reports.

John and Frederick Novak, of New Jersey, have been granted patent rights for their invention of a new hydraulic-type differential. They claim it will largely eliminate slipping on wet roads and make it difficult for an automobile to get stuck in mud or snow.

The inventors claim the new differential will outmode direct connection between the two rear axles as it provides an arrangement of cooperating rotors utilizing a fluid as a means of transmitting motion. The differential resistance, which is taken up by a gear in the mechanical differential, is encountered by two coaxial rotors. The rotors are used as driver elements, hence both driving wheels are in power at all times yet the required differential action is retained.

The new device is expected to be put into commercial use in the near future.

## Women Driver Learns 'Hard Way'

A Nashville Tenn., woman automobile driver learned the hard way recently not to blow a horn and yell at a driver up ahead, according to an Associated Press report from the Tennessee capital.

It cost the woman driver a \$5 fine for such action when it turned out to be that the car in front was a police cruiser.

"She told us we'd better learn how to drive," the policemen told the court.